AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended) In a cellular network that facilitates ~~the~~ transmission of messages between cellular computing devices, the messages often being multi-part messages that consist of multiple short message fragments of limited size, a method for facilitating an application sending the multiple short message fragments without having ~~the~~ a calling application implement detailed processing required to fragment the message, the method comprising the following:

an act of receiving a function call from a calling application via a standardized interface, the function call requesting the transmission of a first message over the cellular network;

an act of dividing the first message into a ~~number~~ set of short message fragments of limited size; ~~and~~

an act of causing each of the short message fragments to be transmitted over the cellular network; and

wherein the calling application is adapted to act as a receiving application for a second message reassembled from a second set of short message fragments.

2.   (Original) A method in accordance with Claim 1, wherein the act of receiving a function call from a calling application via a standardized interface comprises the following:

an act of receiving a function call from a calling application via an application program interface.

3.   (Original) A method in accordance with Claim 1, wherein the act of the receiving a function call from a calling application via a standardized interface comprises the following:

an act of receiving a function call from a standardized user interface.

4.   (Original) A method in accordance Claim 1, further comprising the following:

an act of processing the message prior to the act of dividing the message into a number of short message fragments.

5.   (Original) A method in accordance with Claim 4, wherein the act of processing the message comprises the following:

an act of compressing the message.

6.   (Original) A method in accordance with Claim 4, wherein the act of processing the message comprises the following:

an act of encrypting the message.

7.   (Original) A method in accordance with Claim 4, wherein the act of processing the message comprises the following:

an act of wrapping the message in XML.

8.   (Original) A method in accordance with Claim 1, further comprising the following prior to the act of dividing the message into a number of short message fragments of limited size:

an act of determining that the message must be transmitted as a plurality of short messages in order to comply with a size restriction of the cellular network.

9.   (Original) A method in accordance with Claim 1, wherein the cellular network is a Global System for Mobile communication (GSM) cellular network.

10.   (Original) A method in accordance with Claim 1, wherein the cellular network implements TDMA cellular technology.

11.   (Original) A method in accordance with Claim 1, wherein the cellular network implements CDMA technology.

12.   (Original) A method in accordance with Claim 1, wherein the cellular network implements wireless CDMA technology.

13.   (Original) A method in accordance with Claim 1, wherein the cellular network implements 1xRTT technology.

14.   (Original) A method in accordance with Claim 1, wherein the cellular network implements 3G technology.

15.   (Original) A method in accordance with Claim 1, wherein the cellular network implements UMTS technology.

16.   (Original) A method in accordance with Claim 1, wherein the cellular network implements CDMA2000 technology.

17.   (Currently Amended) ~~A method in accordance with Claim 1, further comprising the following~~In a cellular network that facilitates transmission of messages between cellular computing devices, the messages often being multi-part messages that consist of multiple short message fragments of limited size, a method for facilitating an application sending the multiple short message fragments without having a calling application implement detailed processing required to fragment the message, the method comprising the following:

an act of receiving a function call from a calling application via a standardized interface, the function call requesting the transmission of a message over the cellular network;

an act of dividing the message into a number of short message fragments of limited size;

an act of causing each of the short message fragments to be transmitted over the cellular network;

an act of receiving a request for a delivery report for the message from the calling application;

an act of gathering delivery reports received back from the communication network for each short message fragment;

an act of interpreting the gathered delivery reports for each of the short message fragments to determine an appropriate delivery response for the message as a whole; and

an act of returning the appropriate delivery response for the message as a whole to the calling application.

18.   (Original) A method in accordance with Claim 17, wherein the act of receiving a request for a delivery report is performed via the standardized interface.

19.   (Original) A method in accordance with Claim 17, wherein the act of returning the appropriate delivery response is performed via the standardized interface.

20.   (Currently Amended) A computer program product for use in a cellular network that facilitates the transmission of messages between cellular computing devices, the messages often being multi-part messages that consist of multiple short message fragments of limited size, the computer program product for implementing a method for facilitating an application sending the multiple short message fragments without having ~~the~~ a calling application implement detailed processing required to fragment the message, the computer program product comprising one or more computer-readable media having stored thereon the following:

computer-executable instructions for receiving a function call from a calling application via a standardized interface, the function call requesting the transmission of a message over the cellular network;

computer-executable instructions for dividing the message into a ~~number~~ set of short message fragments of limited size; and

computer-executable instructions for causing each of the short message fragments to be transmitted over the cellular network; and

wherein the calling application is adapted to act as a receiving application for a second message reassembled from a second set of short message fragments.

21.   (Original) A computer program product in accordance with Claim 20, wherein the one or more computer-readable media are physical storage media.

22.   (Original) A computer program product in accordance with Claim 20, wherein the computer-executable instructions for receiving a function call from a calling application via a standardized interface comprise the following:

computer-executable instructions for receiving a function call from a calling application via an application program interface.

23.   (Original) A computer program product in accordance with Claim 20, wherein the computer-executable instructions for receiving a function call from a calling application via a standardized interface comprise the following:

computer-executable instructions for receiving a function call from a standardized user interface.

24.   (Original) A computer program product in accordance with Claim 20, wherein the one or more computer-readable media further have stored thereon the following:

computer-executable instructions for determining that the message must be transmitted as a plurality of short messages in order to comply with a size restriction of the cellular network prior to executing the computer-executable instructions for dividing the message into a number of short message fragments of limited size.

25.   (Currently Amended) A computer program product ~~in accordance with Claim 20, wherein the one or more computer-readable media further have stored thereon the following~~ for use in a cellular network that facilitates transmission of messages between cellular computing devices, the messages often being multi-part messages that consist of multiple short message fragments of limited size, the computer program product for implementing a method for facilitating an application sending the multiple short message fragments without having a calling application implement detailed processing required to fragment the message, the computer program product comprising one or more computer-readable media having stored thereon the following:

computer-executable instructions for receiving a function call from a calling application via a standardized interface, the function call requesting the transmission of a message over the cellular network;

computer-executable instructions for dividing the message into a number of short message fragments of limited size;

computer-executable instructions for causing each of the short message fragments to be transmitted over the cellular network;

computer-executable instructions for receiving a request for a delivery report for the message from the calling application;

computer-executable instructions for gathering delivery reports received back from the communication network for each short message fragment;

computer-executable instructions for interpreting the gathered delivery reports for each of the short message fragments to determine an appropriate delivery response for the message as a whole; and

computer-executable instructions for returning the appropriate delivery response for the message as a whole to the calling application.

26.   (Currently Amended) In a cellular network that facilitates the~transmission of messages between cellular computing devices, the messages often being multi-part messages that consist of multiple short message fragments of limited size, a method for facilitating an application sending the multiple short message fragments without having the~a calling application implement detailed processing required to fragment the message, the method comprising the following:

an act of receiving a function call from a calling application via a standardized interface, the function call requesting the transmission of a first message over the cellular network, wherein the calling application is configured to act as a receiving application for a second message reassembled from a set of short message fragments; and

a step for transmitting the message over the cellular network in response to the function call.

27.   (Currently Amended) A method in accordance with Claim 26, wherein the step for transmitting the message over the cellular network in response to the function call comprises the following:

an act of dividing the message into a number of short message fragments of limited size; and

an act of causing each of the short message fragments of the first message to be transmitted over the cellular network.

28.   (Currently Amended) In a cellular network that facilitates the transmission of messages between cellular computing devices, the messages often being multi-part messages that consist of multiple short message fragments of limited size, a method for a receiving application to receive a multi-part message, the method comprising the following:

an act of receiving a plurality of short message fragments corresponding to a multi-part message;

an act of reassembling the plurality of fragments into the multi-part message; and

an act of passing the reassembled message to a receiving application via a standardized interface, wherein the receiving application is adapted to act as a calling application for a second multi-part message.

29.   (Original) A method in accordance with Claim 28, wherein the act of passing the reassembled message to a receiving application via a standardized interface comprises the following:

an act of passing the reassembled message to a user interface.

30.   (Original) A method in accordance with Claim 28, wherein the act of passing the reassembled message to a receiving application via a standardized interface comprises the following:

an act of passing the reassembled message to a receiving application via an application program interface.

31.   (Original) A method in accordance with Claim 28, further comprising the following:

receiving a function call from the receiving application via a standardized interface, the function call requesting the processing and forwarding of complete multi-part messages.

32.   (Currently Amended) A computer program product for use in a cellular network that facilitates the-transmission of messages between cellular computing devices, the messages often being multi-part messages that consist of multiple short message fragments of limited size, the computer program product for implementing a method for a receiving application to receive a multi-part message without performing the detailed processing necessary to reassemble the message, the computer program product comprising one or more computer-readable media having stored thereon the following:

computer-executable instructions for receiving a plurality of short message fragments corresponding to a multi-part message;

computer-executable instructions for reassembling the plurality of fragments into the multi-part message; and

computer-executable instructions for passing the reassembled message to a receiving application via a standardized interface, wherein the receiving application is adapted to act as a calling application for a second multi-part message.

33.   (Original) A computer program product in accordance with Claim 32, wherein the computer-executable instructions for passing the reassembled message to a receiving application via a standardized interface comprise the following:

computer-executable instructions for passing the reassembled message to a user interface.

34.   (Original) A computer program product in accordance with Claim 32, wherein the computer-executable instructions for passing the reassembled message to a receiving application via a standardized interface comprise the following:

computer-executable instructions for passing the reassembled message to a receiving application via an application program interface.

35.   (Original) A computer program product in accordance with Claim 32, wherein the one or more computer-readable media further have stored thereon the following:

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computer-executable instructions for receiving a function call from the receiving application via a standardized interface, the function call requesting the processing and forwarding of complete multi-part messages.

36.   (Original) A computer program product in accordance with Claim 32, wherein the one or more computer-readable media are physical storage media.

37.   (New) A method as recited in claim 1, further comprising:
        an act of the calling application receiving a delivery response for the first message as a whole.

38.   (New) A method as recited in claim 1, wherein each of the acts of receiving the function call and dividing the first message are performed by a short messaging layer.